

Richard James Szwec  
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IN THE CLAIMS:

The following is a complete listing of the pending claims which includes the claim amendments made herein:

1. (Presently Amended) A non-destructive method of testing the adhesion of an electrical lead ~~joined~~ brazed to a ceramic package, comprising the steps of,

holding the ceramic package and a portion of the ~~joined~~ brazed lead in respective stationary positions,

applying a mechanical force to the lead proximate an area where the lead is brazed to the package of a magnitude which is non-destructive for well adhered leads, and

measuring the resistance of the lead to the force.

2. (Original) The method of claim 1 wherein the lead has an end region and wherein the step of holding a portion of the lead comprises holding the lead at the end region.

3. (Original) The method of claim 1 wherein the lead has an end region and wherein the step of holding a portion of the lead comprises holding the lead at a region between the end region and the area where the lead is joined to the package.

4. (Cancelled)

Richard James Szwec  
0918.0082C

5. (Original) The method of claim 2 wherein the force applied to the lead is a pulling force.

6. (Original) The method of claim 2 wherein the force applied to the lead is a pushing force.

7. (Presently Amended) The method of claim 2 wherein the ceramic package has two opposing leads ~~joined~~ brazed to it, wherein the opposing leads are held in respective stationary positions at their respective end regions, and wherein said steps of applying a mechanical force and measuring the resistance of the lead to the force, are successively performed on each of said opposing leads.

8. (Original) A device for testing the adhesion of conductive leads joined to a package, comprising,

first and second holding members for holding both the package and a portion of at least one lead therebetween in respective stationary positions, the holding members being capable of being separated from each other for removal and insertion of the package and leads, and of being closed with respect to each other for firmly holding the package and leads held therebetween.

9. (Original) The device of claim 8 wherein each of the first and second holding

Richard James Szwec  
0918.0082C

members has a first discrete region for holding the electrical package therebetween, a second discrete region for holding one lead therebetween and a third discrete region for holding another lead therebetween.

10. (Original) The device of claim 9 wherein said one lead and said another lead are leads which positionally oppose each other across the package.

11. (Original) The device of claim 10 wherein the leads have end regions and wherein the second and third discrete regions of the first and second holding means are situated such that they hold the leads therebetween at the end regions.

12. (Original) The device of claim 10 wherein the second and third discrete regions of the first and second holding means are situated such that they hold the leads in between the end regions and regions where the leads are joined to the package.

13. (Original) The device of claim 11 wherein the first and second holding means are closed with respect to each other by mechanical means linking the first and second holding means with each other.

14. (Original) The device of claim 13 wherein the mechanical means includes a screw and abutment against which the screw may be tightened, wherein there is compressible

Richard James Szwec  
0918.0082C

means between the screw and abutment.

15. (Original) The device of claim 13 in combination with a package having leads, which is held between the first and second holding members.

16. (Cancelled)

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17. (Presently Amended) The device of claim ~~16~~ 26 wherein the first discrete regions of the first and second holding means are larger than the second and third discrete regions.

18. (Original) The device of claim 17 wherein the ends of the arms are flat and are comprised of compliant material.

19. (Original) The device of claim 18 wherein the arms of one of the first and second holding members are the same length and wherein the first arm of the other of the first and second holding members is shorter than the second and third arms of such holding member.

20. (Original) The device of claim 19 wherein each of the first and second holding members has two threaded projections, one at each end of such member, and wherein said mechanical means includes screws which extend through the projections.

21. (Original) The device of claim 9 wherein one of said first and second holding members has a window through which a lead can be accessed by a pushing or pulling member.

22. (Presently Amended) An apparatus for non-destructively testing the adhesion of an electrical lead ~~joined~~ brazed to a ceramic package, comprising,

means for holding both the ceramic package and brazed lead in respective stationary positions,

means for applying a force to the lead proximate an area where it is joined to the package of a magnitude which is non-destructive for well adhered leads, and

means for measuring the resistance of the lead to the force.

23. (Cancelled)

24. (Original) The apparatus of claim 22 wherein the means for holding comprises first and second holding members capable of being separated from each other to permit insertion and removal of the package and leads, and of being closed with respect to each other such that the package and leads are firmly held therebetween.

25. (Cancelled)

26 (New) A device for testing the adhesion of conductive leads joined to a package,

Richard James Szwec  
0918.0082C

comprising,

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first and second holding members for holding both the package and a portion of at least one lead therebetween in respective stationary positions, the holding members being capable of being separated from each other for removal and insertion of the package and leads, and of being closed with respect to each other for firmly holding the package and leads held therebetween, each of the first and second holding members having a first discrete region for holding the electrical package therebetween, a second discrete region for holding one lead therebetween and a third discrete region for holding another lead therebetween, said one lead and said another lead being leads which positionally oppose each other across the package, said leads having end regions, said second and third discrete regions of the first and second holding means being situated such that they hold the leads therebetween at the end regions, the first and second holding means being closable with respect to each other by mechanical means linking the first and second holding means with each other, and the first and second holding members each having an elongated cross piece and first, second and third arms extending from the cross piece wherein the ends of such arms comprise the first, second and third discrete regions of the first and second holding means for holding the package and leads.

27. (New) An apparatus for testing the adhesion of an electrical lead joined to a package, comprising,

means for holding both the package and lead in respective stationary positions,

means for applying a force to the lead proximate an area where it is joined to the package,

and

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0918.0082C

means for measuring the resistance of the lead to the force,

wherein the means for holding comprises first and second holding members capable of being separated from each other to permit insertion and removal of the package and leads, and of being closed with respect to each other such that the package and leads are firmly held therebetween, wherein the first and second holding members each have an elongated cross piece and first, second and third arms extending from the cross piece for holding the electrical package and leads therebetween.

28. (New) An apparatus for non-destructively testing the adhesion of an electrical lead which is brazed to a package comprising,

a clamp for holding both the package and lead in respective stationary positions,

means for applying a mechanical force to the lead proximate an area where it is brazed to the package of a magnitude which is non-destructive for well adhered leads, and

a force gauge for measuring the resistance of the lead to the force.